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AFSC 2R0X1

MAINTENANCE DATA SYSTEMS ANALYSIS SPECIALTY



CAREER FIELD EDUCATION AND TRAINING PLAN

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MAINTENANCE DATA SYSTEMS ANALYSIS SPECIALTY
AFSC 2R0X1

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MAINTENANCE DATA SYSTEMS ANALYSIS SPECIALTY

AFSC 2R0X1
CAREER FIELD EDUCATION AND TRAINING PLAN

PART I

This portion of the CFETP provides comprehensive career field information. There are five sections to Part I: General Information; Career Progression and Information; Skill Level Training Requirements; Resource Constraints; and Transitional Training Guide.

Preface

1. This Career Field Education and Training Plan (CFETP) for AFSC 2R0X1, Maintenance Data Systems Analysis Specialty is a comprehensive education and training document that identifies life-cycle education/training requirements, training support resources, and minimum core task requirements for this specialty. The CFETP will provide personnel a clear career path to success and will instill rigor in all aspects of career field training. To read, review, or print a copy of current CFETP, go to the Aircraft Maintenance Homepage at:

<http://www.hq.af.mil/AFLG/LGM/ac-tng.html>. **NOTE:** Civilians occupying associated positions will use Part II to support duty position qualification training.

2. The CFETP consists of two parts; both parts of the plan are used by supervisors to plan, manage, and control training within the career field.

2.1. Part I provides information necessary for overall management of the specialty. Section A explains how everyone will use the plan. Section B identifies career field progression information, duties and responsibilities, training strategies, and career field path. Section C associates each level with specialty qualifications (knowledge, education, training, and other). Section D indicates resource constraints. Some examples are funds, manpower, equipment, facilities. Section E identifies transition training guide requirements to support career field restructures.

2.2. Part II includes the following: Section A identifies the Specialty Training Standard (STS) and includes duties, tasks, and technical references to support training; Air Education and Training Command (AETC) conducted training; wartime course requirements; core tasks; and correspondence course requirements. Section B contains the course objective list and training standards supervisors use to determine if airmen satisfied training requirements. Section C identifies available support materials. An example is a Qualification Training Package (QTP) developed to support proficiency training. These QTP packages are identified in AFIND8, *Numerical Index of Specialized Educational Training Publications*. Section D identifies a training course index supervisors use to determine resources available to support training; included here are both mandatory and optional courses. Section E identifies MAJCOM unique training requirements supervisors use to determine additional training requirements unique to the MAJCOM.

3. Using guidance provided in the CFETP will ensure individuals in this specialty receive effective and efficient training at the appropriate point in their career. This plan will enable us to

train today's work force for tomorrow's jobs. At unit level, supervisors and trainers will use Part II to identify, plan, and conduct training commensurate with the overall goals of this plan.

ABBREVIATIONS/TERMS EXPLAINED

Advanced Training (AT). Formal course which provides individuals who are qualified in one or more positions of their Air Force Specialty (AFS) with additional skills/knowledge to enhance their expertise in the career field. Training is for selected career airmen at the advanced level of the AFS.

Air Force Job Qualification Standard (AFJQS). A comprehensive task list which describes a particular job type or duty position. They are used by supervisors to document task qualifications. The tasks on AFJQS are common to all persons serving in the described duty position.

Career Field Education and Training Plan (CFETP). A CFETP is a comprehensive, multipurpose document covering the entire spectrum of education and training for a career field. It outlines a logical growth plan that includes training resources and is designed to make career field training identifiable, to eliminate duplication, and to ensure this training is budget defensible.

Certification. A formal indication of an individual's ability to perform a task to required standards.

Certification Official. A person the commander assigns to determine an individual's ability to perform a task to required standards.

Continuation Training. Additional training exceeding requirements with emphasis on present or future duty assignments.

Core Task. A task Air Force Career Field Managers (AFCFMs) identify as a minimum qualification requirement within an Air Force Specialty regardless of duty position. Core task identified with an *R are optional for AFRC and ANG.

Course Objective List (COL). A publication identifying the tasks and knowledge requirements, and respective standards provided to achieve a 3-, 5-, and 7-skill level in this career field. Supervisors use the COL to assist in conducting graduate evaluations in accordance with AFI 36-2201, *Developing, Managing and Conducting Military Training Programs*.

Enlisted Specialty Training (EST). A mix of formal training (technical school) and informal training (on-the-job) to qualify and upgrade airmen in each skill level of a specialty.

Exportable Training. Additional training via computer assisted, paper text, interactive video, or other necessary means to supplement training.

Field Technical Training (Type 4). Special or regular on-site training conducted by a training detachment (TD) or by a mobile training team (MTT).

Initial Skills Training. A formal resident course which results in award of a 3-skill level AFSC.

Instructional System Development (ISD). A deliberate and orderly process for developing, validating, and reviewing instructional programs that ensures personnel are taught the knowledge and skills essential for successful job performance.

Mission Ready Technician. A formal course which results in an airman receiving hands-on training and task certification of selected tasks so the individual will be immediately productive upon arrival at their first duty section.

Occupational Survey Report (OSR). A detailed report showing the results of an occupational survey of tasks performed within a particular AFS.

On-the-Job Training (OJT). Hands-on, over-the-shoulder training at the duty location used to certify personnel for both skill level upgrade and duty position qualification.

Qualification Training (QT). Actual hands-on task performance training designed to qualify an airman in a specific duty position. This training occurs both during and after the upgrade training process. It is designed to provide the performance skill/knowledge training required to do the job.

Qualification Training Package (QTP). An instructional package designed for use at the unit to qualify, or aid qualification, in a duty position or program, or on a piece of equipment. It may be printed, computer-based, or in other audiovisual media.

Resource Constraints. Resource deficiencies, such as money, facilities, time, manpower, and equipment that preclude desired training from being accomplished.

Specialized Training Package and COMSEC Qualification Training Package. A composite of lesson plans, test material, instructions, policy, doctrine, and procedures necessary to conduct training. These packages are prepared by AETC, approved by National Security Agency (NSA), and administered by qualified communications security (COMSEC) maintenance personnel.

Specialty Training Standard (STS). An Air Force publication that describes an Air Force Specialty in terms of tasks and knowledge an airman may be expected to perform or to know on the job. It serves as a contract between the Air Education and Training Command and the functional user to show which of the overall training requirements for an Air Force Specialty Code are taught in formal schools, career development courses, and exportable courses.

Training Impact Decision System (TIDES). A computer-based decision support technology being designed to assist AFCFMs in making critical judgments relevant to what training should

be provided personnel within career fields, when training should be provided (at what career points), and where training should be conducted (training setting).

Upgrade Training (UGT). A mixture of mandatory courses, task qualification, QTPs, and CDCs required for award of the 3-, 5-, 7-, or 9-skill levels.

Utilization and Training Workshop (U&TW). A forum of MAJCOM Air Force Specialty Code (AFSC) Functional Managers, Subject Matter Experts (SMEs), and AETC training personnel that determines career ladder training requirements.

Section A - General Information

1. Purpose. This CFETP provides information necessary for Air Force Career Field Managers (AFCFM), MAJCOM Functional Managers (MFMs), commanders, training managers, supervisors and trainers to plan, develop, manage, and conduct an effective career field training program. This plan outlines the training that individuals in AFSC 2R0X1 should receive to develop and progress throughout their career. This plan identifies initial skills, upgrade, qualification, advanced, and proficiency training. Initial skills training is the AFS specific training an individual receives upon entry into the Air Force or upon retraining into this specialty for award of the 3-skill level. Normally, this training is conducted by AETC at one or more of the technical training wings. Upgrade training identifies the mandatory courses, task qualification requirements, and correspondence course completion requirements for award of the 3-, 5-, 7-, 9-skill levels. Qualification training is actual hands-on task performance training designed to qualify an airman in a specific duty position. This training program occurs both during and after the upgrade training process. It is designed to provide the performance skills/knowledge required to do the job. Advanced training is formal specialty training for selected airmen. Proficiency training is additional training, either in-residence, exportable advanced training courses, or on-the-job training, provided to personnel to increase their skills and knowledge beyond the minimum required for upgrade. The CFETP has several purposes, some are:

- 1.1. Serves as a management tool to plan, manage, conduct, and evaluate a career field training program. Also, it is used to help supervisors identify training at the appropriate point in an individual's career.
- 1.2. Identifies task and knowledge training requirements for each skill level in the specialty and recommends education/training throughout each phase of an individual's career.
- 1.3. Lists training courses available in the specialty, identifies sources of training, and the training delivery method.
- 1.4. Identifies major resource constraints which impact full implementation of the desired career field training process.

2. Uses. The plan will be used by MFMs and supervisors at all levels to ensure comprehensive and cohesive training programs are available for each individual in the specialty.

- 2.1. AETC training personnel will develop/revise formal resident, non-resident, field and exportable training based on requirements established by the users and documented in Part II of

the CFETP. They will also work with the AFCFM to develop acquisition strategies for obtaining resources needed to provide the identified training.

2.2. MFMs ensure their training programs complement the CFETP mandatory initial, upgrade, and proficiency requirements. Identified requirements can be satisfied by OJT, resident training, contract training, or exportable courses. MAJCOM-developed training to support this AFS is identified for inclusion into this plan and must not duplicate other available training resources.

2.3. Each individual will complete the mandatory training requirements specified in this plan. The lists of courses in Part II will be used as a reference to support training.

3. Coordination and Approval. The AFCFM is the approval authority. MAJCOM representatives and AETC training personnel will identify and coordinate on the career field training requirements. The AETC training manager for this specialty will initiate an annual review of this document by AETC and MFMs to ensure currency and accuracy. Using the list of courses in Part II, they will eliminate duplicate training.

Section B - Career Progression and Information

4. Specialty Description.

4.1. **Specialty Summary.** Monitors, collects, assembles, and audits data for reports and briefings. Initiates special studies and investigations, and performs statistical analysis. Reports findings to managers with recommendations. Informs managers of significant factors affecting the mission. Manages management information systems (MIS), and coordinates with customers. Related DoD Occupational Subgroup: 558.

4.2. Duties and Responsibilities.

4.2.1. Collects, monitors, audits, evaluates, and analyzes MIS data. Periodically audits source data for accuracy, timeliness, and compliance with directives. Collects and maintains data for use in analysis reports, studies, and problem identification. Using statistical techniques, interprets findings from data, identifies trends and significant deviations, and recommends corrective action. Analyzes deficiencies in areas such as equipment performance, materiel consumption, scheduling, management, and resources; their impact on the maintenance mission; and results of corrective actions. Prepares visual media for analysis studies. Prepares written reports and special studies; and presents recommendations and briefings to senior managers.

4.2.2. Maintains and operates MIS. Controls, manages, and maintains MISs. Coordinates, develops, and schedules MIS products, retrievals, and other programs. Identifies problems and recommends and applies corrective actions related to MIS operation and maintenance. Identifies, corrects, and repairs database problems. Coordinates with information processing center or defense mega center to ensure automated systems capability and compatibility with customer requirements are met.

5. Skill/Career Progression

5.1. Adequate training and timely progression from the apprentice to the superintendent skill level play an important role in the Air Force's ability to accomplish its mission. It is essential for everyone involved in training to do their part to plan, manage, and conduct an effective training program. The guidance provided in this part of the CFETP will ensure each individual receives

necessary training at appropriate points in their career. The following narrative and AFSC 2R0X1 Career Field tables identify the skill/career progression.

5.2. Apprentice (3) Level. Following Basic Military Training, initial skills training will be provided to members in a resident course at the 82d Training Wing, Sheppard AFB TX. The course will lay the foundation for additional training at the graduate's first duty assignment. Trainees will utilize the Career Development Course (CDC), and task qualification training to progress in their career field. Upon completion of CDC 2R051 and Air Force core task qualifications, the trainee should complete other available duty position training.

5.3 Journeyman (5) Level. Once upgraded to the 5-level, the journeyman will enter into continuation training that will broaden their experience base by increasing their knowledge and skill in troubleshooting and solving more complex problems. Five-levels may be assigned job positions such as maintenance data system specialist, database manager (DBM), flying squadron/dedicated analyst, wing analyst, and various staff positions. After having 48 months in the Air Force, 5-levels will attend Airman Leadership School (ALS) to enhance their Professional Military Education (PME). After attending the formal trainer's course, 5-levels can be considered for appointment as unit trainers. Trainers must be qualified and certified to perform the task to be trained. CDC study is continued to prepare for Weighted Airman Promotion testing. Airmen should also consider continuing their formal education by pursuing a Community College of the Air Force (CCAF) degree.

5.4. Craftsman (7) Level. A craftsman can expect to fill various supervisory and management positions such as maintenance data system technician, wing database manager, NCOIC database management, wing analyst, flying squadron analyst, NCOIC Flying Squadron Analysis, NCOIC Wing Analysis, element chief, and various staff positions. Exportable courses and MAJCOM/unit directed courses are also available. Seven-levels should take courses or obtain added knowledge of management of resources and personnel. Continued academic education through CCAF and higher degree programs is encouraged. In addition, when promoted to TSgt, individuals will attend the Noncommissioned Officer Academy.

5.5. Superintendent (9) Level. A 9-level can be expected to fill positions such as Flight NCOIC, Flight Chief, Analysis Superintendent, and various staff NCOIC jobs. Additional training in the areas of budget, manpower, resources, and personnel management should be pursued through continuing education. Individuals promoted to SMSgt will attend the Senior Noncommissioned Officer Academy. Additional higher education and completion of courses outside their career AFS is also recommended.

6. Training Decisions. This CFETP uses a building block approach (simple to complex) to encompass the entire spectrum of training requirements for the 2R0X1 Maintenance Data Systems Analysis career field. The spectrum includes a strategy for when, where, and how to meet these training requirements. The strategy must ensure we develop affordable training, eliminate duplication and prevent a fragmented approach to training. The following training decisions were based on a career field Utilization and Training Workshop (U&TW) held 23 - 27 March 1998 at Sheppard AFB, Texas.

6.1. Initial Skills. The U&TW working group decided to revise the 3-level resident course to shift the emphasis from database management training to analysis training. The Occupational Survey Report (OSR) data from the February 1998 OSR supported this change. Areas of training that were deleted from the 3-level resident course include: Defense Data Network, monitoring

Report Control System (RCS) data transmission, using Automated Data Processing Equipment maintenance record, system interfaces, Test Advisory Notices (TANs), using Interactive Query Utility (IQU), developing hypothesis statements, and performing parametric and non-parametric tests. Training was added on information protection; functional responsibilities of logistics/operations staff agencies, aircraft and C-E maintenance units; using CAMS area schematic; CAMS user ID security; conducting special studies; and G081 familiarization. Training on computing mission performance indicators (fix rate, abort rates, break rate, cannibalization, and utilization rates) was added. There was no change in the length of the course. Overall, more class hours will be spent on statistics and analysis and less on data base management.

6.2. Five Level Upgrade Requirements. To upgrade to the 5-level, personnel must meet educational and training requirements and grade requirements as listed in table A8.1. Enlisted Career Path.

6.2.1. The U&TW working group decided to make a minor revision to the 5-level supplemental resident course. Training on QLP Application/File Definitions was deleted; the training time was re-applied into schema/subschema and data analysis areas of the course. The 5-level CDC has four volumes; each volume required revision. Additions to the 5-level CDC included communications software, e-mail, using CAMS area schematic, Job Data Documentation (JDD) subsystem, FIX utility, Prepare File Program (PRP), REMIS, Integrated Maintenance Data System (IMDS), G081 system, CAMS/REMIS/Reconciliation Program (NFS5B0), and conducting special studies. CDC subjects that were deleted included defense data network (DDN), monitoring Report Control System (RCS), Disk Utility (DSKUTL), System Utility Processor Utility Routine (SUPUR), and Test Advisory Notices (TANs).

6.3. Seven Level Upgrade Requirements. To upgrade to the 7-level, personnel must meet educational and training requirements and grade requirements as listed in table A8.1. Enlisted Career Path. Seven levels must be a SSgt with 18 months OJT, complete core task training, complete 2R071 CDC and Maintenance Management CDC 2RX7X (when available), and complete the 7-level residence course at Sheppard AFB Texas for upgrade to the Craftsman level.

6.3.1 The U&TW working group determined the 7-level CDC required revision. CDC additions included using maintenance analysis referrals, predictive analysis, and statistical process control. The U&TW working group elected to adopt the basic outline of the Maintenance Management 7-level CDC (2 volumes), but deleted some areas of training that were not applicable to the 2R071 career field. The CDC writer will modify the course to meet the needs of the 2R071 career field. The U&TW working group decided to make significant changes to the active duty Air Force only resident 7-level course. *Students are expected to be prepared to use IQU (a core task).*

Students not proficient in IQU can expect considerable out of class study. Training in QLP was deleted in favor of an individual special study and an extensive special study student project. Students will be expected to complete analysis parts of the student project with no errors and prepare/present the special study with results/recommendations. Project emphasis will be placed on proper analytical techniques and valid results and not minor paperwork errors. The ANG and AFRC decided the ANG/AFRC resident 7-level course did not require any revision.

6.4. Continuation Training. Any additional knowledge and skill requirements which were not taught through initial or upgrade training are assigned to unit training or Training Detachments. The purpose of the continuation training program is to provide additional training exceeding

minimum upgrade training requirements with emphasis on present and future duty positions. MAJCOMs develop a proficiency training program that ensures individuals in the 2R0X1 Maintenance Data Systems Analysis career field receive necessary training at the appropriate point in their career. The program identifies both mandatory and optional training requirements.

7. Community College of the Air Force (CCAF). Enrollment in CCAF occurs upon completion of basic military training. CCAF provides the opportunity to obtain an Associate in Applied Science Degree. In addition to its associate degree program, CCAF offers the following:

7.1. Occupational Instructor Certification. Upon completion of instructor qualification training, consisting of the Basic Instructor Course (BIC) and supervised practice teaching, CCAF instructors who possess an associate degree or higher may be nominated by their school commander/commandant for certification as an occupational instructor.

7.2. Trade Skill Certification. When a CCAF student separates or retires, a trade skill certification is awarded for the primary occupational specialty. The College uses a competency based assessment process for trade skill certification at one of four proficiency levels: Apprentice, Journeyman, Craftsman/Supervisor, or Master Craftsman/Manager. All are transcribed on the CCAF transcript.

7.3. Degree Requirements. All airmen are automatically entered into the CCAF program. Prior to completing an associate degree, the 5-level must be awarded and the following requirements must be met:

	Semester Hours
Technical Education.....	24
Leadership, Management, and Military Studies.....	6
Physical Education.....	4
General Education.....	15
Program Electives.....	15
Technical Education; Leadership, Management, and Military Studies; or General Education	
Total.....	64

7.3.1. Technical Education (24 Semester Hours): Completion of the 2R0X1 training courses satisfies some semester hours of the technical education requirements. A minimum of 12 semester hours of Technical Core subjects/courses must be applied and the remaining semester hours applied from Technical Core/Technical Elective courses.

Course	Semester Hours
J3ABR2R031 004	18
J3AZR2R051 003.....	10
J3ACR2R071 006	4
J3ACR2R071 007	7

NOTE: These are the approximate hours listed for courses. These hours will change because of revisions being made to courses. CCAF must be contacted to get the correct number of hours for all courses.

7.3.2. **Leadership, Management, and Military Studies** (6 Semester Hours): Professional military education and/or civilian management courses.

7.3.3. **Physical Education** (4 Semester Hours): This requirement is satisfied by completion of Basic Military Training.

7.3.4. **General Education** (15 Semester Hours): Applicable courses must meet the criteria for application of courses to the General Education Requirements (GER) and be in agreement with the definitions of applicable General Education subjects/courses as provided in the CCAF General Catalog.

7.3.5. **Program Electives** (15 Semester Hours): Satisfied with applicable Technical Education; Leadership, Management, and Military Studies; or General Education subjects/courses, including natural science courses meeting GER application criteria. Six semester hours of CCAF degree applicable technical credit otherwise not applicable to this program may be applied. See the CCAF General Catalog for details regarding the Associate of Applied Science for this specialty.

7.4. **AETC Instructor Requirements:** Additional off-duty education is a personal choice that is encouraged for all. Individuals desiring to become an Air Education and Training Command instructor should be actively pursuing an associate degree. A degreed faculty is necessary to maintain accreditation through the Southern Association of Colleges and Schools.

8. Career Field Path

8.1. Enlisted Career Path:

Table 8.1 Enlisted Career Path				
Education and Training Requirements	Grade Requirements			
	Rank	Average Sew-On	Earliest Sew-On	High Year Of Tenure (HYT)
Basic Military Training School				
Apprentice Technical School (3-Skill Level)	Amn A1C	6 months 16 months		
Upgrade To Journeyman (5-Skill Level) - Minimum 15 months on-the-job training. - Complete all 5-level core tasks on one MDS. - Complete appropriate CDC if/when available.	Amn A1C SrA	6 months 16 months 3 years	28 months	10 Years
Airman Leadership School (ALS) - Must be a SrA with 48 months time in service or be a SSgt Selectee. - Resident graduation is a prerequisite for SSgt sew-on (Active Duty Only).				
<u>Trainer</u> - Qualified and certified to perform the task to be trained. - Have attended the formal trainer's course and appointed in writing by Commander.	<u>Certifier</u> - Be at least a 5-skill level SSgt; and qualified and certified to perform the task being certified - Attend formal certifier course and appointed in writing by Commander. - Be a person other than the trainer.			
Upgrade To Craftsman (7-Skill Level) - Minimum rank of SSgt. - Complete all 5- and 7-level core tasks. - 18 months OJT. - Complete appropriate CDC if/when available. - Advanced Technical School.	SSgt	7.5 years	3 years	20 Years
Noncommissioned Officer Academy (NCOA) - Must be a TSgt or TSgt Selectee. - Resident graduation is a prerequisite for MSgt sew-on (Active Duty Only).	TSgt	12.5 years	5 years	20 Years
	MSgt	16 years	8 years	24 Years
USAF Senior NCO Academy (SNCOA) - Must be a SMSgt or SMSgt Selectee. - A percentage of top nonselect (for promotion to E-8) MSgts attend the SNCOA each year. - Resident graduation is a prerequisite for CMSgt sew-on (Active Duty Only).	SMSgt	19.2 years	11 years	26 Years
Upgrade To Superintendent (9-Skill Level) - Minimum rank of SMSgt. - Must be a resident graduate of SNCOA (Active Duty Only).	CMSgt	21.5 years	14 years	30 Years

8.2. Education and Training Manager Checklist:

Table 8.2. Base Education and Training Manager Checklist		
Requirements for Upgrade to:	Y	N
Journeyman - Has the apprentice completed mandatory CDCs, if available? NOTE: Upgrade Trainees will not be required to retake their 5-level CDC to fulfill requirements. - Has the apprentice completed all 5-level core tasks identified in the CFETP? - Has the apprentice completed all other duty position tasks identified by the supervisor? - Has the apprentice completed 15 months upgrade training (9 months for retrainees)? - Has the apprentice met mandatory requirements listed in specialty description, AFMAN 36-2108 (Airman Classification), and the CFETP? - Has the apprentice been recommended by their supervisor?		
Craftsman - Has the journeyman achieved the rank of SSgt? - Has the journeyman completed mandatory CDCs, if available? - Has the journeyman completed all 5- and 7-level core tasks identified in the CFETP? - Has the journeyman completed all other duty position tasks identified by the supervisor? - Has the journeyman attended 7-skill level Craftsman Course (if available)? First, they must complete: -- All 5- and 7-skill level core and duty position training requirements listed in the CFETP. -- All applicable mandatory CDCs and/or exportable courses. -- A minimum of 12 months UGT (6 months for retrainees). - Has the journeyman completed a minimum 18 months UGT (12 months for retrainees) for award of the 7-skill level?		

TO: Squadron/CC

FROM: Squadron Training Manager

SUBJECT: Upgrade _____ (Trainee Name)

Trainee is prepared to be upgraded and has completed all mandatory training requirements.
 Supervisor recommends upgrade.

 Training Manager

 Supervisor

Section C - Skill Level Training Requirements

9. Purpose. Skill level training requirements in the 2R0X1 career field are defined in terms of tasks and knowledge requirements. This section outlines the specialty qualification requirements for each skill level in broad, general terms and establishes the mandatory requirements for entry, award and retention of each skill level. The specific task and knowledge training requirements are identified in the STS at Part II, Sections A and B of this CFETP.

10. Specialty Qualifications:

10.1. Apprentice Level Training:

10.1.1. Specialty Qualification.

10.1.1.1. **Knowledge.** Knowledge is mandatory of operations and logistics organizational management and procedures applying to aircraft, missiles, communications-electronics, space systems, or related equipment; applied statistical, analytical, and presentation techniques and concepts; data systems design procedures: Management Information Systems (MIS) and small computer operation and use; and concepts and application of directives.

10.1.1.2. **Education.** For entry into this specialty, computer literacy and completion of high school with courses in algebra, English composition, effective writing, and typing are desirable.

10.1.1.3. **Training.** For award of AFSC 2R031, completion of a basic maintenance data systems analysis course is mandatory.

10.1.1.4. **Experience.** None

10.1.1.5. **Other.** None.

10.1.2. **Training Sources and Resources.** The 3-level initial skills course will provide the required knowledge, qualification, and applicable certification. Initial skills training consists of statistical methods of data analysis, microcomputer application software, data retrieval techniques, the operation/ maintenance of management information systems (MIS), the use of microcomputers with remote interface and printers, the procedures for maintaining and correcting data systems, the interpretation and use of reports from MISs, and the presentation of maintenance data.

10.1.3. **Implementation.** Upon graduation from Basic Military Training (BMT), completion of course J3ABR2R031 004, Maintenance Data Systems Analysis Apprentice, satisfies the knowledge and training resource requirements for award of the 3-skill level for Maintenance Data Systems Analysis trainees.

10.2. Journeyman Level Training:

10.2.1 Specialty Qualification.

10.2.1.1. **Knowledge.** In addition to the 3-level qualifications, a 5-skill level must possess the knowledge and skills necessary to apply statistical, analytical, and presentation techniques and manage/maintain Management Information Systems (MIS). A 5-level must be task qualified on small computer operation and use of software, using Core Automated Maintenance System (CAMS) area schematic, using CAMS schema/subschema, identifying CAMS logic/structural errors, using Job Data Documentation (JDD) subsystem, using Maintenance Data Documentation (MDD) reference materials, using NDA500, using Data Management Utility (DMU), using Database Look (DBLook), using LAF/FIQ, using conversational Query Language Processor (QLP), using Interactive Recovery Utility (IRU), processing CAMS on-line inquiries/background reports; using Generated Runstream (GENRUN), using descriptive statistics, using predictive

analysis, computing logistics/operations performance indicators, and computing mission performance indicators.

10.2.1.2. **Education.** There are no additional education requirements beyond those defined for the apprentice level. However, completion of a CCAF degree is desirable.

10.2.1.3. **Training.** For award of AFSC 2R051, the 5-level CDC provides the career knowledge training required. Qualification training and OJT will provide training and qualification on the core tasks identified in the STS. The CDC is written to build from the trainee's current knowledge base, and provides more in-depth knowledge to support OJT requirements.

10.2.1.4. **Experience.** Qualification in and possession of AFSC 2R031. Also, experience in analysis activities.

10.2.1.5. **Other.** None.

10.2.2. **Training Sources and Resources.** A minimum of 15 months on-the-job training, completion of the 2R051 CDC and 5-level core tasks represent the resources needed for award of the 5-skill level. Attendance of the 5-level resident course, J3AZR2R051 003, Maintenance Data Systems Analysis Journeyman, is highly recommended.

10.2.3. **Implementation.** Training to the 5-level is performed by the units utilizing STS, exportable courses, and CDCs. Upgrade to the 5-level requires completion of the basic 2R051 CDC, completion of 5 level core tasks, and 15 months OJT.

10.3. **Craftsman Level Training:**

10.3.1 **Specialty Qualification.**

10.3.1.1. **Knowledge.** In addition to the 5-level qualifications, an individual must possess advanced skills and knowledge of theory, concepts, principles and application of statistical, analytical, and presentation techniques; maintaining/operating MIS and evaluating/analyzing MIS data. Qualification is required on using Query Language Processor (QLP) Report Writer, using QLP with update, using conversational Interactive Query Utility (IQU), using IQU programming, using the analysis process developing hypothesis statements, performing parametric/nonparametric tests, performing sampling techniques, performing time series analysis, developing control charts.

10.3.1.2. **Education.** There are no additional education requirements beyond those defined for the apprentice level. However, completion of a CCAF degree is desirable.

10.3.1.3. **Training.** Completion of mandatory CDCs, all 5 and 7-level core tasks, and resident 7-level resident course are mandatory for upgrade to 2R071.

10.3.1.4. **Experience.** Qualification in and possession of AFSC 2R051. Also, experience performing or supervising analysis functions and activities.

10.3.1.5. **Other.** None.

10.3.2. **Training Sources and Resources.** Completion of the J3ACR2R071 005/006/007 course at Sheppard AFB Texas, completion of CDC 2R071 and Maintenance Management CDC 2R07X (when available), along with supervisor certification of Air Force directed core tasks represent the resources required for award of the 7-skill level. The requirements listed in Part II lists the training provided by the 7-level resident course at Sheppard AFB Texas.

10.3.3. **Implementation.** Upgrade to the 7-level will require completion of all AF core tasks, 18 months OJT as a SSgt, completion of the 7-level CDCs and resident 7-level course at Sheppard AFB Texas. Completion of AF core tasks, 7-level CDCs, and 12 months OJT as a SSgt (6 months for retrainee) will be completed before attending the resident course.

10.4. Superintendent Level Training:

10.4.1 Specialty Qualification.

10.4.1.1. **Knowledge.** In addition to the 7-level qualifications, an individual must possess advanced skills and knowledge of statistical and analytical techniques; maintaining/operating/managing management information systems (MIS); analyzing deficiencies in areas such as equipment performance, materiel consumption, scheduling, management and resources; deficiency impact on the maintenance mission; and results of corrective actions; and evaluating/analyzing/interpreting MIS data.

10.4.1.2. **Education.** There are no additional education requirements beyond those defined for the apprentice level. However, completion of a CCAF degree is desirable.

10.4.1.3. **Training.** For award of AFSC 2R091, completion of Senior NCO Academy in residence is mandatory.

10.4.1.4. **Experience.** For award of AFSC 2R091, qualification in and possession of AFSC 2R071 is mandatory. Also, experience is mandatory managing or directing analysis activities.

10.4.1.5. **Other.** Not used.

10.4.2. **Training Sources/Resources.** Instruction received at the Senior NCO Academy and duty position qualification represent the required resources for upgrade to the 9-skill level.

10.4.3. **Implementation.** The 9-level will be awarded after completing MAJCOM requirements, unit OJT, and promotion to SMSgt. Individuals will attend the Senior NCO Academy after they are selected for promotion to SMSgt.

Section D - Resource Constraints

11. Purpose. This section identifies known resource constraints which preclude optimal/desired training from being developed or conducted, including information such as cost and manpower. Narrative explanations of each resource constraint and an impact statement describing what effect each constraint has on training are included. Also included in this section are actions required, office of primary responsibility, and target completion dates. Resource constraints will be, as a minimum, reviewed and updated annually.

12. Apprentice-Level Training:

12.1. **Constraints - Overview:** Resource constraints for the J3ABR2R031 004, Maintenance Data Systems Analysis Apprentice, course were listed as follows: 70 Pentium computers with Office 95/97; G081 software/connectivity, G081 training for instructors, G081 reference manuals, G081 access/passwords, G081 technical support for the schoolhouse; Communications-Electronics (C-E) scenarios to add to the 3-level course, with examples and background data to complete scenarios, reference materials for CE Maintenance Data Documentation (MDD) codes; Reliability and Maintainability Information System (REMIS) source data/reference materials; and 24 copies of Microsoft Statistical software package.

12.2. **Constraint:** The Maintenance Data Systems Analysis courses have computers that are outdated (486 non-Pentium) and are incapable of running Microsoft® Office 95/97.

12.2.1. **Impact.** Archaic hardware/software limits the 3-level course's ability to teach Microsoft® Office 95/97 applications. MAJCOMs require the course to train students to use systems with multi-tasking capability.

12.2.2. **Resources Required.** 70 excess Pentium computers (minimum 166 Mhz/32 Mg RAM)

12.2.3. **Action Required.** HQ AFMC provide excess computers with the minimum specifications.

12.2.4. **OPR/Target Completion Date.** HQ AFMC/LGMM/Aug 99 – Open

12.3. **Constraint:** The Maintenance Data Systems Analysis courses require Communications-Electronics (C-E) scenarios to add the 3-level course, with examples and background data to complete scenarios, reference materials for CE Maintenance Data Documentation (MDD) codes.

12.3.1. **Impact.** Maintenance Analysis students will not have Communications/Electronics (CE) training scenarios/examples in the 3-level course. Most training scenarios/examples are currently aircraft related. Instructors will not be able to incorporate CE examples/exercises into the resident training materials without CE examples/CE background data to complete scenarios and reference materials for CE Maintenance Data Documentation (MDD) codes.

12.3.2. **Resources Required.** Communications/Electronics (CE) scenarios with examples, background data to complete scenarios, and reference materials for CE Maintenance Data Documentation (MDD) codes.

12.3.3. **Action Required.** HQ AFCA/GCSM must provide Communications/Electronics (CE) scenarios with examples, background data to complete scenarios, and reference materials for CE Maintenance Data Documentation (MDD) codes.

12.3.4. **OPR/Target Completion Date.** HQ AFCA/GCSM/Aug 99 – Open

13. Five-Level Training: There are no 5-level constraints exist.

14. Seven-Level Training: There are no 7-level constraints exist.

Section E. - Transitional Training Guide.

15. Integrated Maintenance Data System (IMDS) Transition Training Plan.

15.1. The following narrative details the IMDS Transitional Training Plan due to the development/ implementation of the Integrated Maintenance Data System (IMDS) and U&TW discussions related to this program. Since IMDS will ultimately replace CAMS, this section briefly describes our approach to 3/5/7-level training and CDC content training.

15.2. At the U&TW, voting members agreed IMDS should be taught to the "A" level (Can identify basic facts and terms about the subject.) in the 3-level resident course and the 5-level CDC. There should be no other training changes through FY00. Beginning FY 01, in addition to all the current CAMS topics, the 3-level course should start teaching LAN Management, IMDS Database Management, and IMDS Equipment Management to the levels ("A" level for the resident course and "B" level for the CDC) agreed upon at the U&TW.

15.3. The 3-level course will continue this dual track of training until IMDS is fielded to Sheppard AFB. The intent is to build familiarity with IMDS while obtaining necessary hardware and software at the schoolhouse. Upon fielding of IMDS to Sheppard AFB (estimated in FY01), the maintenance career field training in all AFSCs will convert to IMDS. At that time, CAMS and GO81 training will be eliminated except in CDCs. CAMS and GO81 training in CDCs will be retained until IMDS completes fielding (estimated FY03). Currently, fielding is scheduled to begin in late FY00 and continue for 3 years. When IMDS is fielded to Sheppard, the 3-level

course will delete all CAMS training and begin full IMDS training, IMDS Customer Support training, and MIS Support training. In addition, training on IMDS will be added to level "B" in the 5-level CDC, "B" and "C" in the 7-level CDC, 2b in the 5-level course, and 3c in the 7-level course. These dates are subject to change based on the IMDS program progression/implementation.

15.4. Current fielding projections for IMDS are to perform Operational Test and Evaluation (OT&E) at Eglin in Mar 00. Then, IMDS will field base by base for about 3 years. All units on a base will convert to IMDS at the same time. Maintenance training units will also convert on the same schedule. IMDS should complete fielding in FY03.

Part II

Section A - Specialty Training Standard

1. Implementation. This STS will be used for technical training provided by AETC for classes beginning with course J3ABR2R031 004, 21 January 1999 and graduating 9 April 1999 and course J3ACR2R071 007, 2 June 1999 and graduating 29 June 1999. There were no changes to course J3ACR2R071 006 (ANG/AFRC only) content and STS coding. Course J3AZR2R051 003 is not governed by this STS; it has a separate Course Training Standard (CTS).

2. Purpose: As prescribed in AFI 36-2201, this STS:

2.1. Lists in column 1 (Task, Knowledge, and Technical Reference) the most common tasks, knowledge, and technical references (TR) necessary for airmen to perform duties in the 3-, 5-, and 7-skill level. All items taught in the initial skills course are trained in the resident wartime course. The 7-level in-residence course will not be taught in wartime.

2.2. Column 2 (Core Tasks) identifies, by asterisk (*), specialty-wide training requirements. Core tasks identified with an *R are optional for AFRC and ANG. As a minimum, certification on all core tasks applicable to the specialty must be completed for skill level upgrade. Core tasks which are not applicable to base assigned aircraft or equipment are not required for upgrade (units are not exempt from minimum core task training if aircraft/equipment are assigned to another unit on base). Units are not required to send personnel TDY for core task training.

2.3. Provides certification for OJT. Column 3 is used to record completion of tasks and knowledge training requirements. Use automated training management systems to document technician qualifications, if available. Task certification must show a certification/completed date.

2.4. Show formal training and correspondence course requirements. Column 4 shows the proficiency to be demonstrated on the job by the graduate as result of training on the task/knowledge and the career knowledge provided by the correspondence course. When two codes are used in columns 4 (e.g. 2b/b), the first code is the established requirement for resident training on the task/knowledge, and the second code indicates the level of training provided in the course due to equipment shortages or other resource constraints. See CADRE/AFSC/CDC listing maintained by the unit training manager for current CDC listing.

2.5. Qualitative Requirements: Attachment 1 contains the proficiency code key used to indicate the level of training and knowledge provided by resident training and career development courses.

2.6. Job Qualification Standard: Becomes a Job Qualification Standard (JQS) for on-the-job training (OJT) when placed in the AF Form 623, **On-the-Job Training Record**, and used according to AFI 36-2201. For OJT, the tasks in column 1 are trained and qualified to the go/no go level. "Go" means the individual can perform the task without assistance and meets local requirements for accuracy, timeliness, and correct procedures. When used as a JQS, the following requirements apply:

2.6.1. Documentation: Document and certify training IAW AFMAN 36-2247, Chapter 5. Automated records, utilizing Core Automated Management System (CAMS) or Integrated Maintenance Data System (IMDS)/Global Combat Support System (GCSS), reflecting this STS

may be used and are highly encouraged. The entire CFETP must be filed in individual records. There are no approved AFJQS for this AFSC.

2.6.1.1. Certification. Certify training IAW AFMAN 36-2247, para 5-9. Identify duty position requirements by circling (in pencil) the subparagraph number next to the task statement. As a minimum, complete the following columns: date training completed, trainee initials, trainer initials, and certifier initials (core tasks only). Trainers may sign off non-core and non-critical tasks by initialing the trainer's column; third party certification is not required for non-core and non-critical tasks.

2.6.1.2. Converting from Old Document to CFETP: Transcribe records IAW AFMAN 36-2247. All AFJQSs and previous CFETPs are replaced by this CFETP; therefore, conversion of all training records to this CFETP STS is mandatory. Automated records reflecting this STS may be used and are highly encouraged. Use this CFETP STS (or automated STS) to identify and certify all past and current qualifications. For those tasks previously certified and required in the current duty position, evaluate current qualifications and, when verified, recertify using current date as completion date and enter trainee and certifier initials (core/critical tasks) or trainer and trainee initials (non-core and non-critical tasks). For previously certified tasks not required in the current duty position, carry forward *only* the previous completion date. If and when these tasks become a duty position requirement, recertify using standard certification procedures. Return all old training records and contents to the trainee to retain for historical data.

2.6.1.3. Documenting Career Knowledge: When a CDC is not available: the supervisor identifies CFETP Part II training references that the trainee requires for career knowledge and ensures, as a minimum, that trainees cover the mandatory items in AFI 26-2108. For two-time CDC course exam failures: supervisors identify all Part II items corresponding to the areas covered by the CDC. The trainee completes a study of references, undergoes evaluation by the task certifier, and receives certification on the CFETP Part II. Supervisors must document successful completion of career knowledge prior to submitting a CDC waiver.

2.6.1.4. Decertification and Recertification: When an airman is found to be unqualified on a task previously certified for his or her position, the supervisor lines through the previous certification or deletes previous certification when using automated system. Appropriate remarks are entered on the AF Form 623A, **On-The-Job Training Record Continuation Sheet**, as to the reason for decertification. The individual is recertified (if required) either by erasing the old entries and writing in the new or by using correction fluid/tape (if the entries are in ink) over the previously certified entry.

2.6.2. AF Form 797. When additional items not listed in the CFETP Part II are necessary in the current duty assignment, enter them on the AF Form 797. Fill out the form IAW AFMAN 36-2247.

2.6.3. Disposition of Training Records. Upon separation, retirement, commissioning, or promotion to Master Sergeant (unless otherwise directed by the AFCFM, MAJCOM, unit commander, or supervisor), give the individual their training records. Also, give individuals outdated training records after transcribing records. Do not remove any training records that show past qualifications unless transcribed to a new CFETP. For example, an individual working in other duties or staff positions must maintain documented career field qualifications when they return to direct career field duty. Supervisors must exercise good judgment when removing training records not needed in current duty positions.

2.7. Is a guide for development of promotion tests used in the Weighted Airman Promotion System (WAPS). Specialty Knowledge Tests (SKTs) are developed at the USAF Occupational Measurement Squadron by senior NCOs with extensive practical experience in their career fields. The tests sample knowledge of STS subject matter areas judged by test development team members as most appropriate for promotion to higher grades. Questions are based upon study references listed in the WAPS catalog. Individual responsibilities are in chapter 14 of AFI 36-2606, *US Air Force Reenlistment, Retention, and NCO Status Programs*. WAPS is not applicable to the Air National Guard or Air Force Reserve.

3. Graduate Assessment Survey. Graduate Assessment Surveys (GAS) are used to provide feedback to the training squadron on the students' training. This document allows the supervisor of a technical training graduate to rate that person based on four areas; (1) graduate's attitude and adherence to military standards, (2) graduate's ability to perform at the apprentice level as defined in the CFETP, (3) how well the apprentice job requirements in CFETP meet the job requirements in your workplace, and (4) whether the supervisor received graduate's training report card (AETC Form 156). There is also space for supervisor's comments and a rating scale which shows how to rate the questions on the document. Personnel from the technical training courses will contact supervisors of any graduate who is rated Below Satisfactory or Well Below Satisfactory.

4. Recommendations. Report unsatisfactory performance of individual course graduates to the AETC training manager at 362 TRS/TRR, 613 10TH Avenue, Sheppard AFB TX, 76311-2352, DSN 736-3612, or e-mail to: **Pat.Britt@sheppard.af.mil**. Reference specific STS paragraphs. For a quick response to problems, call our customer service information line, DSN 736-5236.

BY ORDER OF THE SECRETARY OF THE AIR FORCE

OFFICIAL

JOHN W. HANDY, Lieutenant General, USAF
DCS/Installations and Logistics

2 Attachments

1. Proficiency Code Key
2. STS 2R0X1

PROFICIENCY CODE KEY

2R0X1

<i>This Block Is For Identification Purposes Only</i>		
Name Of Trainee		
Printed Name of Trainee (<i>Last, First, Middle Initial</i>)	Initials (Written)	SSAN
Printed Name Of Training/Certifying Official And Written Initials		
<i>N/I</i>	<i>N/I</i>	
<i>N/I</i>	<i>N/I</i>	
<i>N/I</i>	<i>N/I</i>	
<i>N/I</i>	<i>N/I</i>	
<i>N/I</i>	<i>N/I</i>	
<i>N/I</i>	<i>N/I</i>	
<i>N/I</i>	<i>N/I</i>	
<i>N/I</i>	<i>N/I</i>	
<i>N/I</i>	<i>N/I</i>	
<i>N/I</i>	<i>N/I</i>	

QUALITATIVE REQUIREMENTS

Proficiency Code Key		
	Scale Value	Definition: The individual
Task Performance Levels	1	IS EXTREMELY LIMITED (Can do simple parts of the task. Needs to be told or shown how to do most of the task.)
	2	IS PARTIALLY PROFICIENT (Can do most parts of the task. Needs only help on hardest parts.)
	3	IS COMPETENT (Can do all parts of the task. Needs only a spot check of completed work.)
	4	IS HIGHLY PROFICIENT (Can do the complete task quickly and accurately. Can tell or show others how to do the task.)
*Task Knowledge Levels	a	KNOWS NOMENCLATURE (Can name parts, tools, and simple facts about the task.)
	b	KNOWS PROCEDURES (Can determine step by step procedures for doing the task.)
	c	KNOWS OPERATING PRINCIPLES (Can identify why and when the task must be done and why each step is needed.)
	d	KNOWS ADVANCED THEORY (Can predict, isolate, and resolve problems about the task.)
**Subject Knowledge Levels	A	KNOWS FACTS (Can identify basic facts and terms about the subject.)
	B	KNOWS PRINCIPLES (Can identify relationship of basic facts and state general principles about the subject.)
	C	KNOWS ANALYSIS (Can analyze facts and principles and draw conclusions about the subject.)
	D	KNOWS EVALUATION (Can evaluate conditions and make proper decisions about the subject.)
<p>Explanations</p> <p>* A task knowledge scale value may be used alone or with a task performance scale value to define a level of knowledge for a specific task. (Example: b and 1b)</p> <p>** A subject knowledge scale value is used alone to define a level of knowledge for a subject not directly related to any specific task, or for a subject common to several tasks.</p> <p>- This mark is used alone instead of a scale value to show that no proficiency training is provided in the courses or CDCs.</p> <p>/ This mark is used in course columns to show that training is required but not given due to limitations in resources (3c/b, 2b/b, 2b/-, etc.).</p>		

TRAINING REQUIREMENTS

STS 2R0X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
NOTE 1: Users are responsible for annotating training references to identify current references pending STS revision.											
NOTE 2: All items in column 1 marked with a code in column 4A are trained in resident wartime courses. The 7 level course is not taught in wartime.											
NOTE 3: Items in column 2 marked with an asterisk (*) are core tasks required for upgrsade to the 5 or 7 skill level. Seven levels must complete both 5 and 7 level core tasks. Items marked with an (*R) are not required by AFRC and ANG for upgrade.											
NOTE 4: Item A2.14.1.2. in column 4c(1) is taught ("3c" level) in 7-level ANG/AFRC only course. Item A2.14.1.2 is not taught in the active Air Force only 7-level course.											
A2.1. MAINTENANCE DATA SYSTEMS ANALYSIS CAREER LADDER PROGRESSION TR: AFI 36-2101, 36-2108; AFVA 36-212								A	-	-	-
A2.2. SECURITY TR: AFI 10-1101											
A2.2.1. Specific Operation Security (OPSEC) Vulnerabilities of 2R0X1 AFSC								A	B	-	-
A2.2.2. Computer Security (COMPUSEC) TR: AFI 10-1101; AFI 33-204; AFSSI 5102								A	B	-	-
A2.2.3. Information Protection TR: AFD 33-2								A	-	-	-
A2.3. AIR FORCE OCCUPATIONAL SAFETY AND HEALTH (AFOSH) PROGRAM TR: Applicable AFOSH STD 91 Series; AFI 91-301, AFI 91-302											
A2.3.1. Accident prevention								-	-	-	-
A2.3.2. Fire prevention								-	-	-	-
A2.4. HAZARDOUS MATERIALS AND WASTE HANDLING ACCORDING TO ENVIRONMENTAL STANDARDS TR: 29 CFR 1910.120, 1910.1200, EPA 40 CFR 311, NPA 471-472								A	-	-	-
A2.5. SUPERVISION TR: AFI 36-2108, AFI 36-2403;											

TRAINING REQUIREMENTS

STS 2R0X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
								A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
DODD 5500-7											
A2.5.1. Orient new personnel								-	-	-	-
A2.5.2. Assign personnel to work areas								-	-	-	-
A2.5.3. Plan work assignments and priorities								-	-	-	-
A2.5.4. Schedule work assignments								-	-	-	-
A2.5.5. Establish											
A2.5.5.1. Work methods								-	-	-	-
A2.5.5.2. Work controls								-	-	-	-
A2.5.5.3. Performance standards								-	-	-	-
A2.5.6. Evaluate work performance of subordinate personnel								-	-	-	-
A2.5.7. Resolve technical problems for subordinate personnel								-	-	-	-
A2.5.8. Counsel personnel and resolve individual problems								-	-	-	-
A2.5.9. Initiate action to correct substandard performance by personnel								-	-	-	-
A2.6. TRAINING TR: AFI 36-2201, 36-2101; AFMAN 36-2108											
A2.6.1. OJT trainer requirements											
A2.6.1.1. Prepare teaching outlines or task breakdowns								-	-	-	-
A2.6.1.2. Provide trainees theory and train on actual equipment								-	-	-	-
A2.6.1.3. Provide feedback on training provided								-	-	-	-
A2.6.2. OJT task certifier requirements											
A2.6.2.1. Develop methods of evaluation to								-	-	-	-

TRAINING REQUIREMENTS

STS 2R0X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.6.2.2.	determine trainee knowledge/ qualification and training effectiveness							-	-	-	-
A2.6.2.3.	Use appropriate method of evaluation and effectively determine trainee's ability							-	-	-	-
A2.6.2.3.	Provide supervisor and trainer feedback on results of training provided and trainee's strengths/ weaknesses							-	-	-	-
A2.6.2.4	Maintain training records							-	-	-	-
A2.7.	MAINTENANCE MANAGEMENT TR: AFI 21-101, 21-103, 21-116; MAJCOM implementing regulations										
A2.7.1.	Maintenance Management System							-	-	-	-
A2.7.2.	Functional responsibilities of the Senior Logistics/Operations Manager							-	-	-	-
A2.7.3.	Basic functions of the logistics/ operations staff agencies							A	-	-	-
*A2.7.4.	Functional responsibilities of logistics/operations aircraft and communications-electronics (C-E) activities							A	-	-	-
A2.7.5.	Unit mission							-	-	-	-
A2.7.6.	Organization structure							-	-	-	-
A2.7.7.	Weapon system familiarization							-	-	-	-
A2.7.8.	Communications-Electronics (C-E) Familiarization							-	-	-	-
A2.7.9.	Basic logistics/operations terms							A	-	-	-
A2.7.10.	Data Integrity Team (DIT)							-	B	-	-
A2.8.	INSPECTION SYSTEMS TR: TOs 00-20 series							A	B	-	-
A2.9.	USE MICROCOMPUTERS										

TRAINING REQUIREMENTS

STS 2R0X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
								A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
TR: Applicable user manuals											
A2.9.1. Hardware											
A2.9.1.1. Use hardware								2b	-	-	-
A2.9.1.2. Hardware configuration								A	B	-	-
A2.9.1.3. Preventive maintenance								A	B	-	-
A2.9.2. Use software											
A2.9.2.1. Use Windows operating environment	*							2b	-	-	-
A2.9.2.2. Use word processing	*							2b	-	-	-
A2.9.2.3. Use spreadsheets	*							2b	-	-	-
A2.9.2.4. Use database systems	*							2b	-	-	-
A2.9.2.5. Use graphics software	*							2b	-	-	-
A2.9.2.6. Use communications software	*							2b	B	-	-
A2.9.2.7. Use utilities								2b	-	-	-
A2.9.2.8. Use electronic mail								-	B	-	-
A2.9.3. Local Area Networks (LANs)								A	B	-	-
A2.9.4. Internet familiarization								A	-	-	-
A2.10. DATA PROCESSING TR: AFCSM 21-5XX, Vol 2 series, AFCSM 21-556, Vol 1 & 3; AFCSM 33-101, Vol 1 & 2; AFM 171-110, AFM 171-500, Vol 1 & 2; Unisys Publications series; MAJCOM implementing regulations											
A2.10.1. Methods of data processing											
A2.10.1.1. Use TIP/DEMAND/BATCH processing								2b	B	-	-
A2.10.1.2. Pseudo processing								-	B	-	-
A2.10.2. Responsibilities of Network Control Center (NCC)/Defense Megacenters								A	B	-	-

TRAINING REQUIREMENTS

STS 2R0X1

1. Tasks, Knowledge And Technical References	2.		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	Core Tasks		A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
(DMC)/Field Assistance Branch (FAB)											
A2.10.3. Automated Data Processing Equipment (ADPE)											
A2.10.3.1. Equipment functions								A	-	-	-
A2.10.3.2. Operate equipment								-	B	-	-
A2.10.3.3. Setup mobile equipment								-	B	-	-
A2.10.3.4. Custodian responsibilities								-	B	-	-
A2.10.4. Prepare C4 Systems Requirements Document TR: AFI 33-103								-	B	-	-
A2.10.5. Interface microcomputer with Mainframe (Deployed)											
A2.10.5.1. Perform connectivity								-	-	-	-
A2.10.5.2. Download/Upload files								2b	B	-	-
A2.10.6. Defense Data Network (DDN)								-	-	-	-
A2.11. CORE AUTOMATED MAINTENANCE SYSTEM (CAMS) DATA BASE STRUCTURE TR: AFCSM 21-XXX Series, Vol 2 AFCSM 21-556, Vol 1											
A2.11.1. Schema/Subschema TR: AFCSM 21-571, Vol 2											
A2.11.1.1. Define								B	B	-	-
A2.11.1.2. Use Schema/Subschema	*							2b	B	-	-
A2.11.1.3. Area schematic								B	B	-	-
A2.11.1.4. Use area schematic	*							2b	B	-	-
A2.11.1.5. Identify logic/structural errors	*							-	B	-	-
A2.11.2. Subsystem familiarization TR: AFCSM 21-5XX, Vol 2 series											
A2.11.2.1. Basic knowledge of subsystems								A	-	-	-

TRAINING REQUIREMENTS

STS 2R0X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
								A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.11.2.2. Job Data Documentation (JDD) Subsystem TR: AFCSM 21-564, Vol 2											
A2.11.2.2.1. Maintenance Data Documentation (MDD) concept								B	-	-	-
A2.11.2.2.2. MDD codes								B	-	-	-
A2.11.2.2.3. Use subsystem	*							2b	B	-	-
A2.11.2.3. Use reference materials	*							2b	-	-	-
A2.11.2.4. Subsystem monitor's responsibilities								B	B	-	-
A2.11.2.5. Assist customers and subsystem monitors with technical problems								-	-	-	-
A2.11.3. Monitor system interfaces											
A2.11.3.1. Initiate Interactive Communication Interface (ICI) for Standard Base Supply System (SBSS) Interface TR: UP 10614; AFCSM 21-571, Vol. 2								-	B	-	-
A2.11.3.2. Monitor Reliability and Maintainability Information System (REMIS) interface programs TR: AFCSM 21-556, Vol 1; AFCSM 21-571, Vol 2								-	B	-	-
A2.11.4. Mainframe/Standard Base-Level Computer (SBLC) system files											
A2.11.4.1. Application program files								-	B	-	-
A2.11.4.2. Support files								-	B	-	-
A2.12. CAMS ADMINISTRATION											
A2.12.1. Releases											
A2.12.1.1. Effects and purpose of releases								A	B	-	-
A2.12.1.2. Perform special instructions								-	-	-	-
A2.12.1.3. Coordinate releases								-	-	-	-
A2.12.2. Difficulty Reports (DIREPs) TR: AFM 171-110, Vol 1											

TRAINING REQUIREMENTS

STS 2R0X1

1. Tasks, Knowledge And Technical References	2.		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	Core Tasks		A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.12.2.1. Purpose of DIREPs								A	-	-	-
A2.12.2.2. Submit and evaluate DIREPs								-	B	-	-
A2.12.3. Heads Up Messages (HUMs) TR: AFM 171-110, Vol 1											
A2.12.3.1. Purpose of HUMs								A	-	-	-
A2.12.3.2. Use HUMs								-	B	-	-
A2.12.4. System Advisory Notices (SANs) TR: AFM 171-110, Vol 1											
A2.12.4.1. Purpose of SANs								A	-	-	-
A2.12.4.2. Use SANs								-	B	-	-
A2.12.5. Coordination (downtime, special programs)											
A2.12.5.1. System administration procedures								-	B	-	B
A2.12.5.2. Use checklist to demonstrate notification process								-	-	-	-
A2.12.6. Perform monthly utilities								-	A	-	B
A2.12.7. Core Automated Maintenance System (CAMS) Security TR: AFCSM 21-556, Vol 2; AFCSM 21-571, Vol 2											
A2.12.7.1. User ID security								A	B	-	B
A2.12.7.2. Transaction Identifier Code (TRIC)								-	B	-	B
A2.12.7.3. Site Management (SIMAN)								-	A	-	-
A2.12.7.4. Defense Information Systems Agency (DISA) Form 41								-	-	-	-
A2.13. VERIFICATION/REPAIR UTILITIES											
A2.13.1. NDA500 TR: AFM 171-150, Vol 1a											
A2.13.1.1. Use NDA500	*R							-	B	-	-

TRAINING REQUIREMENTS

STS 2R0X1

1. Tasks, Knowledge And Technical References	2.		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	Core Tasks		A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.13.1.2. Make decisions for appropriate use								-	B	-	-
A2.13.2. Data Management Utility (DMU) TR: AFM 171-110, Vol 1											
A2.13.2.1. Use DMU	*R							-	B	-	-
A2.13.2.2. Make decisions for appropriate use								-	B	-	-
A2.13.3. Database Editor (DBE)											
A2.13.3.1. Use DBE								-	B	-	-
A2.13.3.2. Make decisions for appropriate use								-	B	-	-
A2.13.4. Use Database Look (DBLOOK) TR: AFCSM 21-571, Vol 2	*							2b	B	-	-
A2.13.5. Random Access Locator (LAF)/ File Inquiry (FIQ) TR: AFCSM 21-571, Vol 2											
A2.13.5.1 Use LAF/FIQ	*							2b	B	-	-
A2.13.6. Record Fix (FIX) TR: AFCSM 21-571, Vol 2											
A2.13.6.1. FIX								-	B	-	-
A2.13.6.2. Use FIX								-	B	-	-
A2.13.6.3. Make decisions for appropriate use								-	-	-	-
A2.13.7. Prepare File Program (PRP) TR: AFCSM 21-571, Vol 2											
A2.13.7.1. PRP								-	B	-	-
A2.13.7.2. Use PRP								-	B	-	-
A2.13.7.3. Make decisions for appropriate use								-	-	-	-
A2.13.8. CAMS/REMIS Reconciliation Program (NFS5BO) TR: AFCSM 21-560, Vol 2											
A2.13.8.1. NFS5BO								-	B	-	-
A2.13.8.2. Use NFS5BO								-	B	-	-
A2.13.8.3. Make decisions for appropriate use								-	-	-	-

TRAINING REQUIREMENTS

STS 2R0X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
			A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14. EXECUTIVE MANAGEMENT UTILITIES TR: AFM 171-110, Vol 5, 171-150, Vol 1a; UP series											
A2.14.1. Query Language Processor (QLP) TR: UP 7830 7493-000; UP 7830 7485-000											
A2.14.1.1. Use Conversational QLP	*							2b	B	-	-
A2.14.1.2. Use QLP Report Writer (*J3ACR2R071 006 ANG/AFRC course only)		*R						1a	B	3c*	-
A2.14.1.3. Use QLP With Update		*R						-	B	-	-
A2.14.1.4. Use Macro/Procedures								-	B	-	-
A2.14.2. Interactive Query Utility (IQU) TR: UPIG 1000-1002											
A2.14.2.1. Use Conversational IQU	*	*R						-	B	-	-
A2.14.2.2. Use IQU programming (*J3ACR2R071 007 Active Duty course only)		*R						-	B	3c*	B
A2.14.2.3. Use IQU Data Manipulation Language (DML) Update Commands (*J3ACR2R071 007 Active Duty course only)								-	B	3c*	B
A2.14.2.4. Use IQU Sort Processor (*J3ACR2R071 007 Active Duty course only)								-	B	3c*	B
A2.14.3. Interactive Recovery Utility (IRU) TR: UP 7830 8186-000; UP 7830 8194-000; 7830 8202-000											
A2.14.3.1. Perform database reload	*R							-	B	-	-
A2.14.3.2. Perform system recovery	*R							-	B	-	-
A2.14.4. Perform database save	*R							-	B	-	-
A2.14.5. Use Executive Control Language (ECL) TR: UP 11563.6-B; UP 7830 7949-000; UP 7830 9945-000	*							1a	B	-	-
A2.14.6. Use Console Mode (CONS)								2b	B	-	-

TRAINING REQUIREMENTS

STS 2R0X1

1. Tasks, Knowledge And Technical References	2.		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	Core Tasks		A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.14.7. Use Interactive Processing Facility (IPF) TR: UP 9613.5; UP 9615.4-A								1b	-	-	-
A2.14.8. Use System for Tape Administration and Report (STAR)								-	A	-	-
A2.14.9. Use Universal Data Systems Monitor (UDSMON)								-	B	-	-
A2.14.10. Use Disk Utility (DSKUTL)								-	-	-	-
A2.14.11. Use Systems Utility Processor Utility Routine (SUPUR)								-	-	-	-
A2.14.12. Use ACOPY								-	B	-	-
A2.15. CAMS REPORTS TR: AFCSM 21-5XX, Vol 2 series											
A2.15.1. Process on-line inquiries	*							2b	B	-	-
A2.15.2. Process background reports	*							2b	B	-	-
A2.15.3. Generated Runstreams (GENRUN)											
A2.15.3.1. Build a GENRUN routine	*							2b	B	-	-
A2.15.3.2. Run a GENRUN routine	*							2b	B	-	-
A2.15.3.3. Maintain GENRUN files	*							2b	B	-	-
A2.16. RELIABILITY AND MAINTAINABILITY INFORMATION SYSTEM (REMIS) TR: AFCSM 25-524 Vols 1-8											
A2.16.1. Product Performance Subsystem (PPS)								A	A	-	-

TRAINING REQUIREMENTS

STS 2R0X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
								A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.16.2. Equipment Inventory Multiple Status Utilization Reporting Subsystem (EIMSURS)								A	A	-	-
A2.16.3. Generic Configuration Status Accounting System (GCSAS)								A	A	-	-
A2.16.4. REMIS Ad Hoc Queries								A	A	-	-
A2.16.5. Process reports								a	-	-	-
A2.16.6. PS Mail								-	-	-	-
A2.17. G081 System (CAMS for Airlift) TR: Applicable MAJCOM User's Manuals											
A2.17.1. LOGIN to IMSA and IMSB								2b	B	-	-
A2.17.2. G081 Database Structure											
A2.17.2.1. Database Layout								-	A	-	-
A2.17.2.2. Subsystem familiarization (support equipment, Integrated Logistics supply System (ILSS), training, personnel)								-	-	-	-
A2.17.2.3. Maintenance Data Documentation (MDD)											
A2.17.2.3.1. MDD concept								-	-	-	-
A2.17.2.3.2. MDD codes								-	-	-	-
A2.17.2.3.3. Use MDD programs (9099/9056)								2b	-	-	-
A2.17.2.3.4. Use reference materials								1a	-	-	-
A2.17.2.3.5. Assist customers with technical problems								-	-	-	-
A2.17.2.4. Interactive Communication Interface (ICI) for ILSS Interface								-	-	-	-
A2.17.2.5. G081 Management											
A2.17.2.5.1. Submit and evaluate system deficiency reports (529)								-	B	-	-
A2.17.2.5.2. Coordinate system deficiency								-	-	-	-

TRAINING REQUIREMENTS

STS 2R0X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
								A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
reports (529)											
A2.17.2.5.3. Inter-terminal message system (8033)											
A2.17.2.5.3.1. Purpose and use of 8033								-	B	-	-
A2.17.2.5.3.2. Use 8033								-	-	-	-
A2.17.3. Coordination (downtime, special programs)								-	-	-	-
A2.17.4. Schedule deadline jobs (9029A)								-	-	-	-
A2.17.5. Printer location control (9072)								-	-	-	-
A2.17.6. G081 Security											
A2.17.6.1. User ID Security (9057/9057C)								-	B	-	-
A2.17.6.2. Program Access Security								-	B	-	-
A2.17.7. Variable Information Retrieval Program (VIRP)											
A2.17.7.1. Execute VIRP (9029)								-	-	-	-
A2.17.7.2. Change VIRP (9029)								-	-	-	-
A2.17.7.3. Move VIRP (9029)								-	-	-	-
A2.17.7.4. Update VIRP (9029)								-	-	-	-
A2.17.8. G081 Time Sharing Option (TSO) UTILITIES (ATATS)											
A2.17.8.1. Log on								-	-	-	-
A2.17.8.2. Security and administration functions								-	-	-	-
A2.17.8.3. Use VTAM printing system								-	-	-	-
A2.17.8.4. Use flasher spool display								-	-	-	-
A2.18. INTEGRATED MAINTENANCE DATA SYSTEM (IMDS)											
A2.18.1. Concept of IMDS								A	A	-	-
A2.18.2. Purpose and use of IMDS								-	A	-	-

TRAINING REQUIREMENTS

STS 2R0X1

1. Tasks, Knowledge And Technical References	2.		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	Core Tasks		A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.19. ANALYSIS PROCESS											
A2.19.1. Use analysis process (Collect, verify, manipulate, compare, review, analyze, problem-solving, research, investigate, evaluate, present findings, and follow-up)		*						b	B	3c	C
A2.19.2. Data Reviews											
A2.19.2.1. Different methods and means of data review								-	B	-	-
A2.19.2.2. Perform a data review								-	B	-	-
A2.19.3. Meetings											
A2.19.3.1. Purpose of meetings								-	B	-	-
A2.19.3.2. Prepare for and participate in a meeting								-	B	-	-
A2.19.3.3. Plan a meeting								-	B	-	-
A2.19.3.4. Conduct a meeting								-	B	-	-
A2.19.4. Report Analysis Findings											
A2.19.4.1. Use Maintenance Analysis Referral Process (AF Form 2422)								a	B	-	B
A2.19.4.2. Prepare Staff Summary Sheet (AF Form 1768)								-	-	-	-
A2.19.4.3. Conduct Special Study								b	B	-	B
A2.19.4.4. Prepare and present Special Study								-	-	2b	-
A2.20. STATISTICS TR: Commercial Text, Software User Manuals, MAJCOM Implementing Directives.											
A2.20.1. Develop hypothesis statement		*						-	B	-	B

TRAINING REQUIREMENTS

STS 2R0X1

1. Tasks, Knowledge And Technical References	2.		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	Core Tasks		A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.20.2. Perform parametric tests (Normality testing - Box Plot for Outliers Analysis of Variance (ANOVA) - One sample test - Two sample test Testing Sample Means - <i>t</i> test for two samples - <i>t</i> test for paired samples)		*						-	B	-	C
A2.20.3. Perform nonparametric tests (Mann-Whitney <i>U</i> test for comparison of two groups, Kruskal-Wallis H test, and Chi-Square test)		*						-	B	-	C
A2.20.4. Use descriptive statistics (Data distribution, measures of central tendency, and measures of variability)		*						2b	B	-	C
A2.20.5. Statistical Process Control											
A2.20.5.1. Purpose								B	B	-	B
A2.20.5.2. Perform sampling techniques		*						2b	B	-	C
A2.20.5.3. Perform time series analysis		*						2b	B	-	C
A2.20.5.4. Develop control charts		*						2b	B	-	C
A2.21. PREDICTIVE ANALYSIS TR: Commercial Text, MAJCOM Implementing Directives.											
A2.21.1. Purpose of predictive analysis								B	B	-	B
A2.21.2. Types of predictive analysis								B	B	-	B
A2.21.3. Perform regression analysis		*						2b	B	-	C
A2.21.4. Perform correlation analysis		*						2b	B	-	C
A2.21.5. Perform a trend analysis		*						2b	B	-	C
A2.21.6. Perform extrapolation		*						2b	B	-	C
A2.21.7. Compute probabilities								2b	B	-	C
A2.22. FORECASTING TR: MAJCOM Implementing Directives											

TRAINING REQUIREMENTS

STS 2R0X1

1. Tasks, Knowledge And Technical References	2.		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	Core Tasks		A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.22.1. Types of forecasting								-	B	-	-
A2.22.2. Use forecasting techniques								-	B	-	-
A2.23. STATISTICAL APPLICATIONS TR: TO 00-20-2, MAJCOM Implementing Directives and . MILSTD 721C.											
A2.23.1. Compute logistics/operations performance indicators											
A2.23.1.1. Purpose and use of logistics/ operations performance indicators								-	B	-	-
A2.23.1.2. Compute system reliability/ capability	*							2b	B	-	-
A2.23.1.3. Compute base repair capability								-	B	-	-
A2.23.1.4. Compute maintenance scheduling effectiveness								2b	B	-	-
A2.23.1.5. Compute airframe capability								-	B	-	-
A2.23.2. Compute mission performance indicators											
A2.23.2.1. Purpose and use of mission performance indicators								-	B	-	-
A2.23.2.2. Compute mission capability rates	*							2b	B	-	-
A2.23.2.3. Compute mission deviation rates	*							2b	B	-	-
A2.23.2.4. Compute flying schedule effectiveness rate	*							2b	B	-	-
A2.23.2.5. Compute man-hours/flying hour rate								-	B	-	-
A2.23.2.6. Compute fix rate	*							2b	B	-	-
A2.23.2.7. Compute break rate	*							2b	B	-	-
A2.23.2.8. Abort rates											
A2.23.2.8.1. Compute ground abort rate	*							2b	B	-	-

TRAINING REQUIREMENTS

STS 2R0X1

1. Tasks, Knowledge And Technical References	2. Core Tasks		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
								A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC
A2.23.2.8.2. Compute air abort rate	*							2b	B	-	-
A2.23.2.9. Compute cannibalization rate	*							2b	B	-	-
A2.23.2.10. Utilization rates											
A2.23.2.10.1. Compute program utilization rate	*							-	B	-	-
A2.23.2.10.2. Compute actual utilization rate	*							-	B	-	-
A2.23.2.11. Compute departure reliability rates								-	B	-	-
A2.23.2.12. Compute Mean Time Between Failure (MTBF)								-	B	-	-
A2.23.2.13. Compute Mean Time to Repair (MTTR)								-	B	-	-
A2.23.2.14. Compute Mean Time Between Critical Failure (MTBCF)								-	B	-	-
A2.23.2.15. Compute Mean Time Between Maintenance Actions (MTBMA)								-	B	-	-
A2.23.2.16. Compute attrition rates	*							2b	B	-	-
A2.23.3. Communication Electronics(CE) mission performance indicators											
A.2.23.3.1. Compute Mean Time Between Critical Failure (MTBCF)								-	B	-	-
A2.23.3.2. Compute Mean Time Between Failure (MTBF)								-	B	-	-
A2.23.3.3. Compute operation availability								-	B	-	-
A2.23.3.4. Compute Mean Time Between Maintenance Actions (MTBMA)								-	A	-	-
A2.23.3.5. Compute Utilization Rate								-	A	-	-
A2.23.3.6. Compute Mean Repair Time								-	A	-	-
A2.23.3.7. Compute Mean Down Time								-	A	-	-

TRAINING REQUIREMENTS

STS 2R0X1

1. Tasks, Knowledge And Technical References	2.		3. Certification For OJT					4. Proficiency Codes Used To Indicate Training/Information Provided (See Note)			
	Core Tasks		A	B	C	D	E	A 3 Skill Level	B 5 Skill Level	C 7 Skill Level	
	5	7	Training Start	Training Complete	Trainee Initials	Trainer Initials	Certifier Initials	(1) Crse	(1) CDC	(1) Crse	(2) CDC

Section B - Course Objective List

4. Measurement. Each proficiency coded STS task or knowledge item taught at the technical school is measured through the use of an objective. An objective is a written instruction for the student so he or she knows what is expected of them to successfully complete training on each task. Each objective consists of a condition, behavior, and standard that states what is expected of the student for each task. The condition is the setting in which the training takes place (i.e. TOs, type of equipment, etc.). The behavior is the observable portion of the objective (i.e. perform an operational check). The standard is the level of performance that is measured to ensure the STS proficiency code level is attained. Each objective uses letter codes(s) to identify how it is measured. All objectives use the PC code that indicates a progress check is used to measure subject or task knowledge. “W” indicates a comprehensive written test and is used to measure the subject or task knowledge at the end of a block of instruction. “PC/W” indicates a subject or task knowledge progress check and a separate measurement of both knowledge and performance elements using a written test.

5. Standard. The standard for written examinations is 70%. Standards for performance objectives are indicated in the objective and are also indicated on the individual progress check checklist. The checklist is used by the instructor to document each student’s progress on each task. Instructor assistance is provided as needed during the progress check, and students may be required to repeat all or part of the behavior until satisfactory performance is attained. Students must satisfactorily complete all PCs prior to taking the written test.

6. Proficiency Level. Review column 4A of the STS to determine the proficiency level of a particular task or knowledge item. Review the course objective list to determine which STS item the objective supports. Review the proficiency code key in Part II, Section A of this CFETP for an explanation of the proficiency codes. Most task performance is taught to the “2b” proficiency level which means the students can do most parts of the task, but does need assistance on the hardest parts of the task (partially proficient). The student can also determine step by step procedures for doing the task. For tasks that are taught to the “3c” proficiency level, students can do all parts of the task and only require a spot check on completed work (competent). The student can also identify why and when a task must be done and why each step is needed.

7. Course Objectives. A detailed listing of initial skills or craftsman course objectives may be obtained by submitting a written request to 362 TRS/TRR, 613 10th Avenue, Sheppard AFB TX 76311-2352 or contact the OPR by telephone at DSN 736-3612.

7.1. Course J3ABR2R031 004, Maintenance Data Systems Analysis Apprentice, includes basic fundamentals such as introduction to computers, maintenance management, and data processing techniques. Use of automated data systems covers maintenance data collection, Core Automated Maintenance System (CAMS) and G081 (CAMS for Airlift), CAMS on-line inquiries and background reports, CAMS maintenance discrepancy documentation, and console commands. It also covers database management support which includes schema/subschema, executive management utilities, upload and download files, file inquiries and repair utilities, and system support functions. High level database query programming and application covers Query

Language Processor (QLP). This course also covers conversational QLP writing retrieval reports. Microcomputer applications using Microsoft® Windows, including Word, Excel, Access, Powerpoint, Outlook, and other Windows utilities are also taught. Statistical applications covers maintenance performance indicators, descriptive statistics, statistical process control, and predictive analysis. The course also teaches the analysis process.

7.2. Course J3AZR2R051 003, Maintenance Data Systems Analysis Journeyman, includes CAMS data error correction using DBLook, NDA500, and Database Editor (DBE). It covers QLP report writer, QLP with Update, and conversational IQU; IQU retrievals; and IQU with update. It also covers advanced maintenance statistics using descriptive statistics and statistics inference. The analysis process implementation covers data collection, verification, data analysis and report creation to prepare the analyst to present briefings.

7.3. Course J3ACR2R071 006, Maintenance Data Systems Analysis Craftsman (ANG/AFRC), includes advanced QLP programming focusing on QLP Report Writer and advanced analysis process techniques on data collection, verification, data analysis and report creation.

7.4. Course J3ACR2R071 007, Maintenance Data Systems Analysis Craftsman, includes advanced IQU programming such as IQU sort processor and IQU Data Manipulation Language (DML) update commands, and advanced analysis process techniques. This course explores the analysis process on a higher level in its various stages - data collection, verification, data analysis, and report creation - to effectively prepare and present maintenance briefings and special studies.

Section C - Support Material

8. There are no support materials for the 2R0X1 career field.

Section D - Training Course Index:

9. Purpose: This section of the CFETP identifies training courses available for the specialty and shows how the courses are used by each MAJCOM in their career field training programs. For further information on the following courses, contact the OPR at:

362 TRS/TRR
613 10th Avenue
Sheppard AFB TX 76311-2352
DSN 736-3612.

10. Air Force In-Resident Courses.

COURSE NO.	COURSE TITLE	LOCATION	USER
J3ABR2R031 004	Maintenance Data Systems Analysis Apprentice	Sheppard AFB, TX	USAF

COURSE NO.	COURSE TITLE	LOCATION	USER
J3AZR2R051 003	Maintenance Data Systems Analysis Journeyman	Sheppard AFB, TX	USAF
J3ACR2R071 005/007	Maintenance Data Systems Analysis Craftsman	Sheppard AFB, TX	USAF
J3ACR2R071 006	Maintenance Data Systems Analysis Craftsman (ANG/RES)	Sheppard AFB, TX	USAF

11. Extension Course Institute (ECI) Courses.

For further information on the following courses, contact the OPR at:

362 TRS/TRR
613 10th Avenue
Sheppard AFB TX 76311-2352
DSN 736-3612/3323.

COURSE NO.	COURSE TITLE	User
CDC 2R051	Maintenance Data Systems Analysis Journeyman	USAF
CDC 2R071	Maintenance Data Systems Analysis Craftsman	USAF
CDC 2RX7X	Maintenance Management and Supervision	USAF

12. Exportable Courses.

For further information on the following exportable courses, contact the OPRs at:

362 TRS/TRR
613 10th Avenue
Sheppard AFB TX 76311-2352
DSN 736-3612/5206.

COURSE NO.	COURSE TITLE	OPR	User
J6ANU00066 038	Air Force Technical Order (T.O.) System (General)	362 TRS	USAF
J6ANU00066 039	Air Force Technical Order (T.O.) System (Advanced)	362 TRS	USAF

COURSE NO.	COURSE TITLE	OPR	User
J6AZU00066 058	Air Force Maintenance Data Collection System (CAMS)	362 TRS	USAF
J6AZU00066 059	Air Force Maintenance Data Collection System (CAMS) (781 Forms)	362 TRS	USAF
J6AZU00066 061	Core Automated Maintenance Systems (CAMS) (Intro)	362 TRS	USAF
J6AZU00066 062	Air Force Maintenance Data Collection System (CAMS) Mid Level Maintenance Manager	362 TRS	USAF
J6AZU00066 063	Air Force Maintenance Data Collection System (CAMS) Senior Level Maintenance Manager	362 TRS	USAF

For further information on the following exportable courses, contact the OPRs at:

81 TRSS/TTTI
844 Phantom St. STE 102
Keesler AFB, MS 39534-2064
DSN 597-2985.

COURSE NO.	COURSE TITLE	OPR	User
E6AZU2EXXX 000	Ground Communications-Electronics (C-E) CAMS (CAI)	81 TRSS	USAF
E6AZU3C051 001	Computer Operator Training (2200/400)	81 TRSS	USAF
E6AZU3C032 002	Executive Control Language (ECL)	81 TRSS	USAF
E6AZU3C032 005	COBOL 74 Programming	81 TRSS	USAF
E6AZU3C032 000	Introduction to Data Processing	81 TRSS	USAF
E6AZU3C032 003	Basic Language Programming	81 TRSS	USAF

13. Other Supplemental Courses.

The following course is available from HQ SSG/LGM, 600 Spatz St., Maxwell AFB, Gunter Annex, AL 26114-3226, DSN 596-1686.

COURSE NO.	COURSE TITLE	OPR	User
No Course Number	CAMS Manager's Course	HQ SSG/LGM	USAF

14. Training Detachment (TD) Courses.

There are no TD courses for the 2R0X1 career field.

15. REMIS Courses

The following courses are provided by MSG/SRI, OPR: Susie Kelly, DSN: 787-5078/5076.

COURSE NO.	COURSE TITLE	OPR	User
E10SC 4925-314	Equipment Inventory Multiple Status and Utilization Reporting Subsystem (EIMSURS)	MSG/SRI	USAF
E10SH 4925-000	Generic Configuration Status Accounting Subsystem (GCSAS)	MSG/SRI	USAF
E10SH 4925-009	Product Performance Subsystem (PPS)	MSG/SRI	USAF
E10SH33S3C-011	REMIS TALK	MSG/SRI	USAF
E10SH33S3C-009	REMIS USERS	MSG/SRI	USAF

Section E - MAJCOM Unique Requirements

16. There are currently no MAJCOM unique requirements. This area is reserved